



BECOMING AN INNOVATOR: UNCOVERING YOUR INNER PROBLEM-SOLVING POWER

POWERING THE “DYNAMICS OF INNOVATION” TO ENABLE SPECTRUM OF
POSSIBILITIES - 5

PARTHA S. GHOSH

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means —
electronic, mechanical, photocopying, recording, or otherwise — without the permission of Partha S Ghosh. The materials contained in the document builds on the direct hands on experience of the
author in structuring and solving strategic, tactical and operational issues

This document provides an outline of a presentation and is incomplete without the accompanying oral commentary and discussion.

Partha S Ghosh

Agenda for the 5 Days

Becoming an Innovator

- 1 Putting Innovation in the context of the Modern Civilization
- 2 Demystifying Innovation: Unlocking the Power within you
- 3 Nurturing Genuine Problem-Solving Skills: The 3 Vectors?
- 4 Becoming an Innovator: Opportunities abound?
- 5 Practicing Innovation: Being in the flow as an active player

Opportunities in the Indian Environment need to be identified by *triggering creative instincts*

Problems

No schools in your area

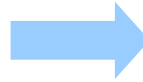
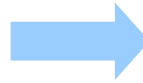
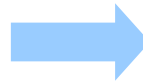
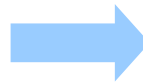
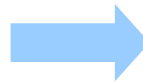
Lack of low-cost hospitals

Doctors difficult to reach

Lack of playing fields

Poor service quality of various trades

Old people living alone



Opportunities

Use facilities in the night

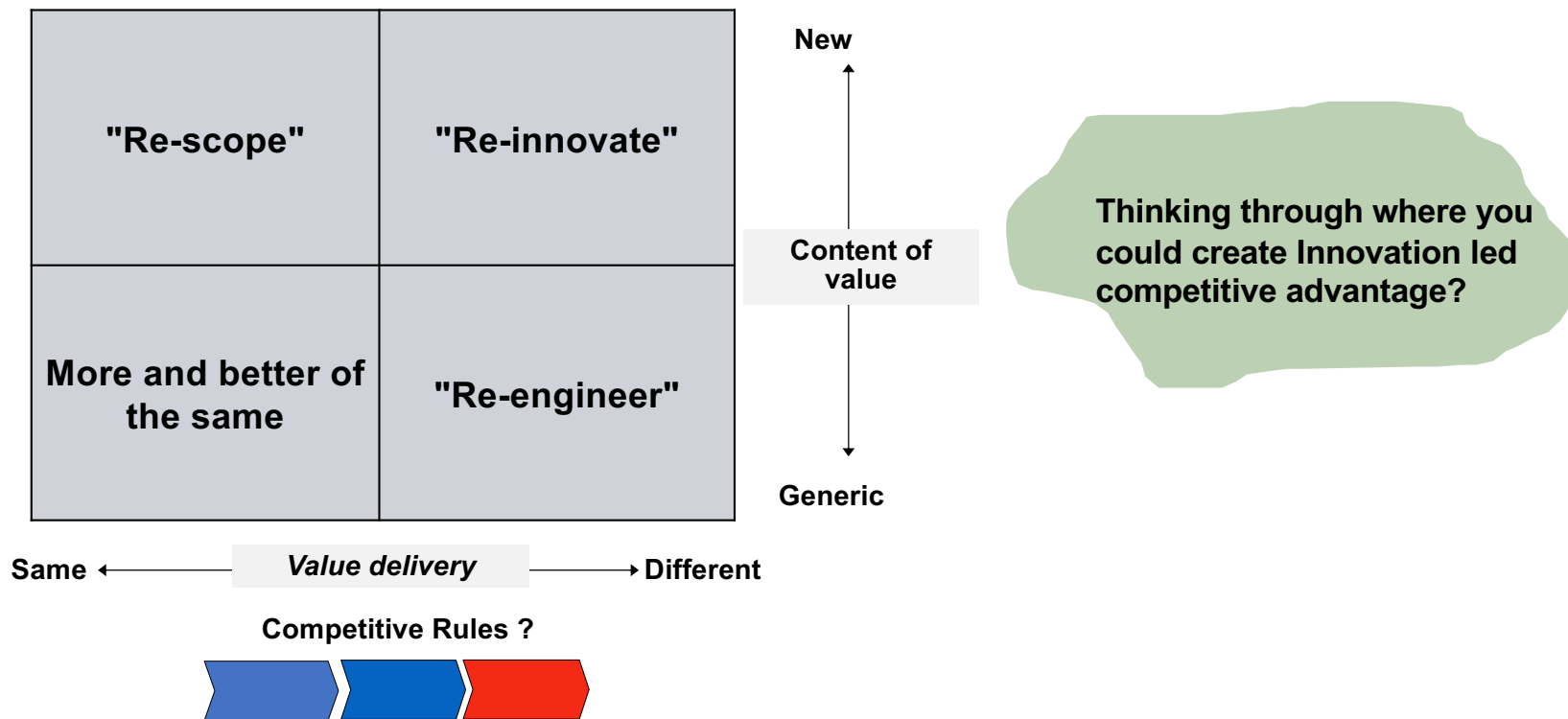
Improve productivity of doctors by volunteering your time



Innovating Strategic Plays

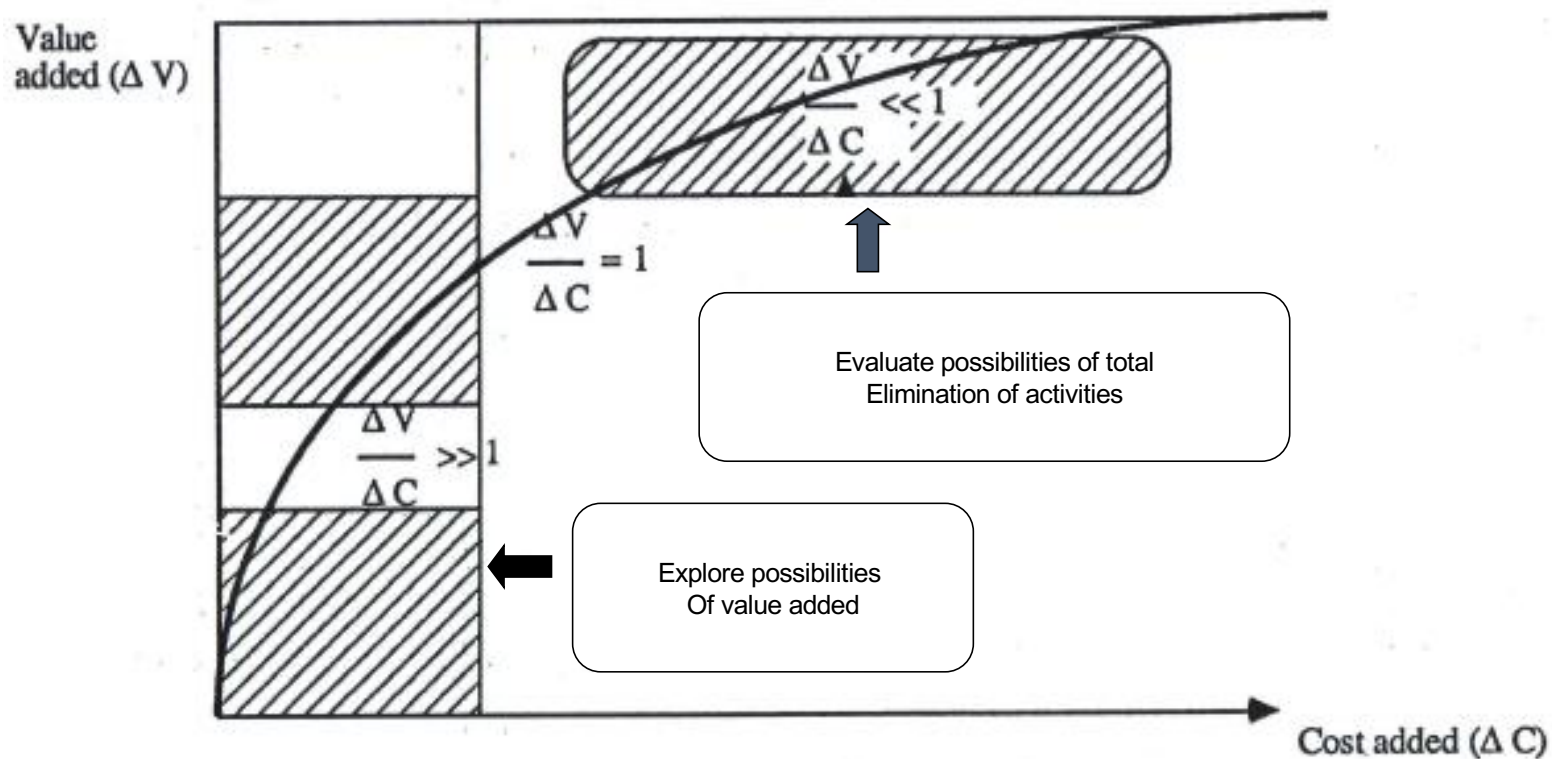
- Fundamental dimensions to explore & define strategic plays

The Two Vectors :Innovation Game Board



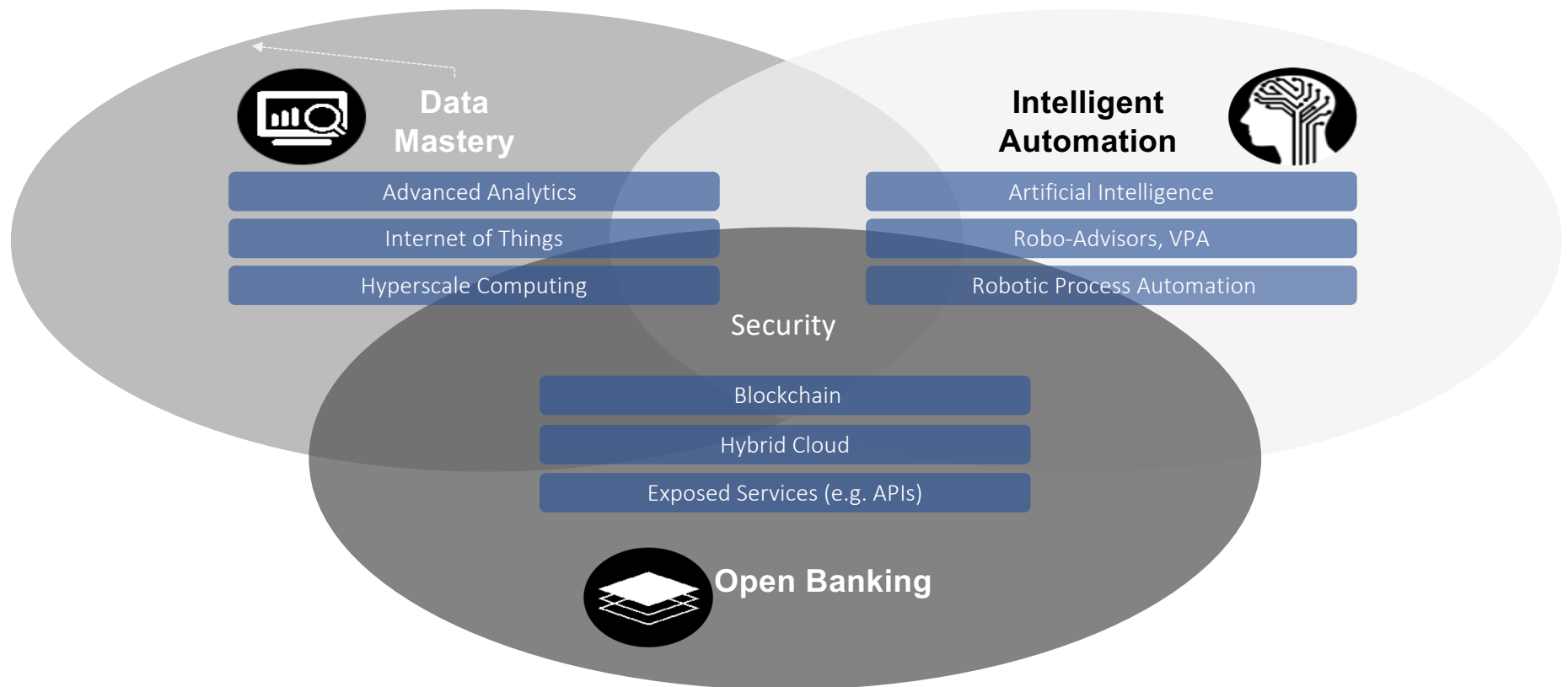
It is important maximize value added /cost added in launching an innovative idea

Activity Analyses



Key technologies and macro directions – their implications for BOP?

9 key technologies are changing the industry– with Security throughout





Agenda Session 5

Practicing Innovation: Being in the flow as an active player *(not as passive observer)*

- 1. Keeping your senses active**
- 2. Commercializing new ideas**
- 3. Beginning your journey as an innovator**



Agenda Session 5

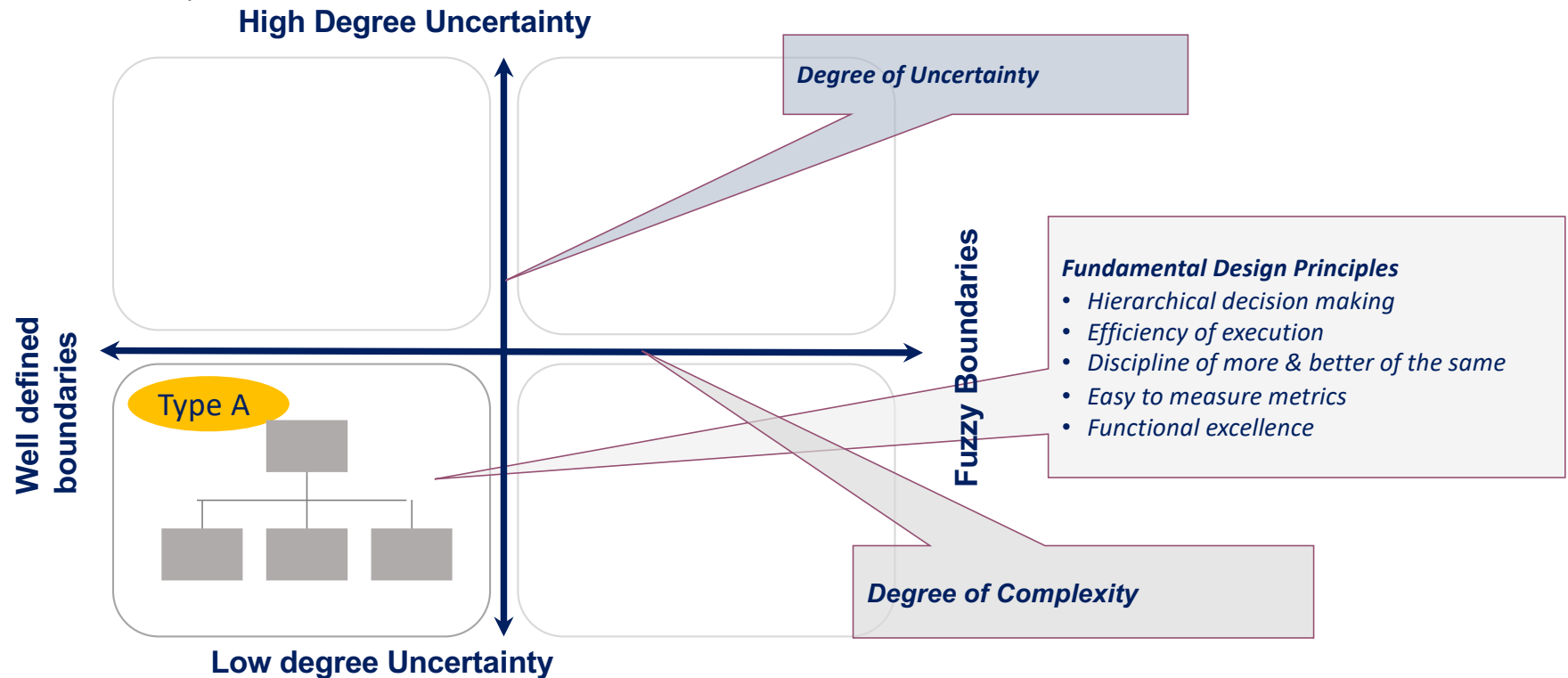
Practicing Innovation: Being in the flow as an active player *(not as passive observer)*

- 1. Keeping your senses active**
2. Commercializing new ideas
3. Beginning your journey as an innovator

Today we are indeed limited by the organization principles (e.g. *Time-motion, Command & Control mechanisms*) of the early 20th century

THE EMERGING ENVIRONMENT

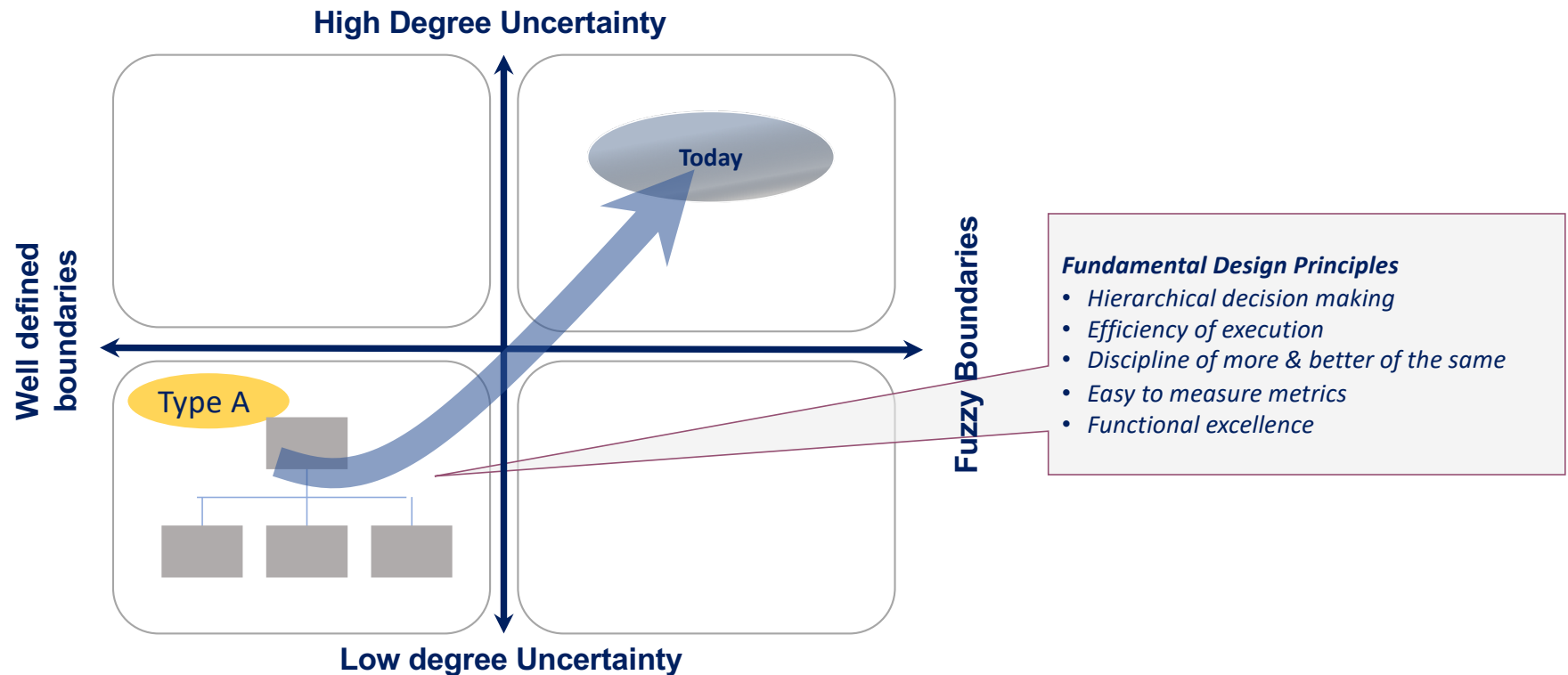
(Global socio-economic dynamics)



So the challenge is how to develop organizational principles which will work in the emerging environment

THE EMERGING ENVIRONMENT

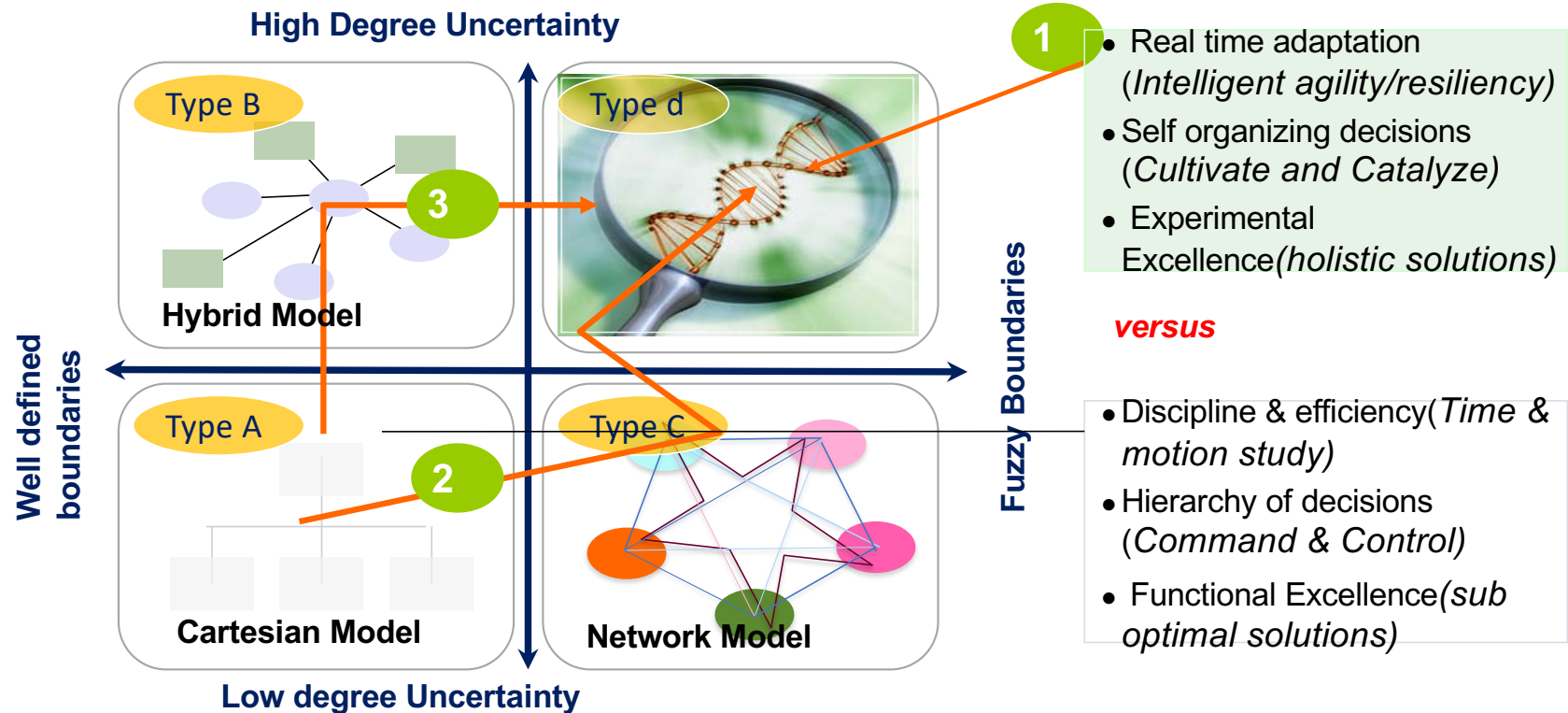
(Global socio-economic dynamics)



Adopting a “Biological model” will require careful planning in adopting the fundamentally a new construct

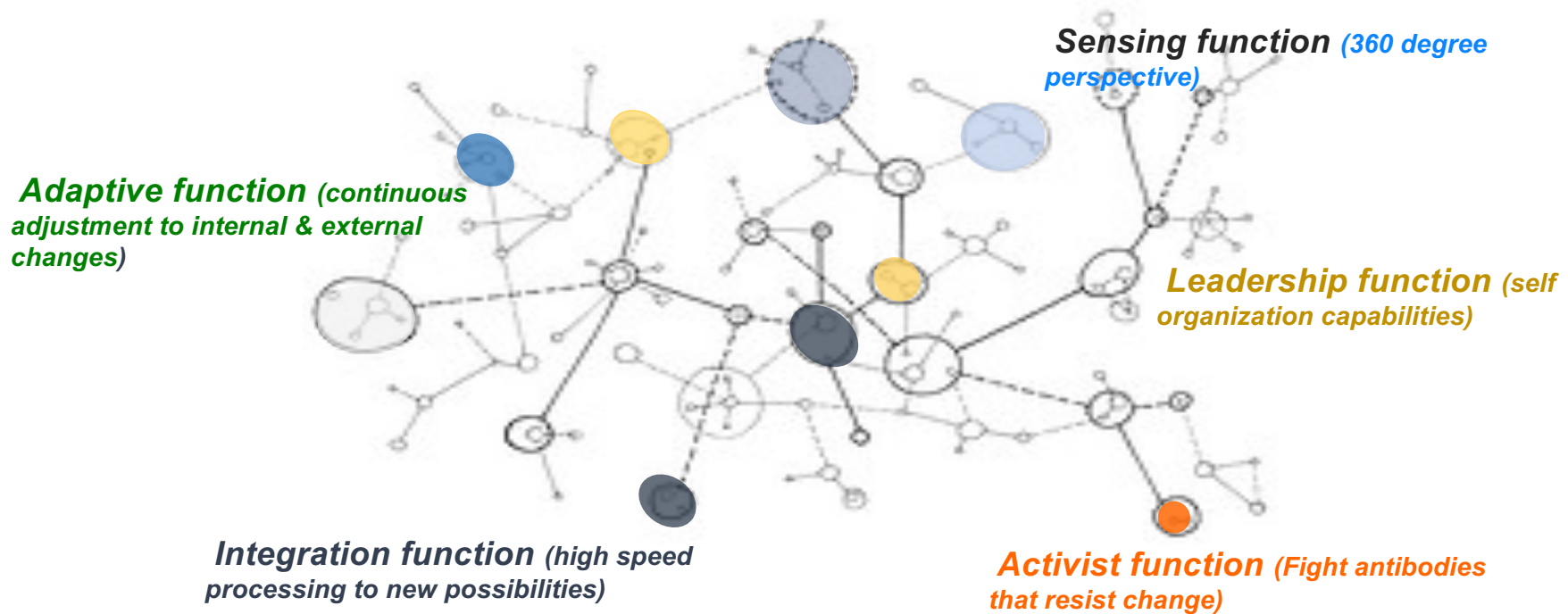
THE EMERGING ENVIRONMENT

(Global socio-economic dynamics)



We have to develop at individual and community levels “adaptive and agility” properties

“Outs & Ins” of the future organization (Partha Ghosh model)



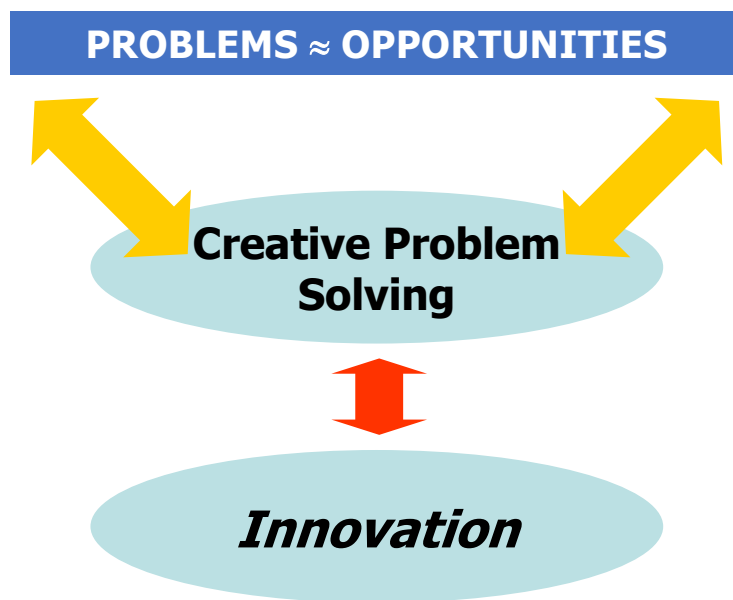


Agenda Session 5

Practicing Innovation: Being in the flow as an active player (*not as passive observer*)

1. Keeping your senses active
2. Commercializing new ideas
3. Beginning your journey as an innovator

By focusing on significant problems of society we could cultivate “innovation culture”



Example

Problems

Efficiency of fuels

Opportunities

Additives for improved atomization

Launching the journey?

Connect with significant problems?

Examine alternative solutions?

Commercialize...?

Becoming an Innovator to Entrepreneur





The Seven Imperatives for succeeding in a new path (?)

1. Innovators believe in the **value(dream)** they bring to society
2. They **work extraordinarily hard** to convert their dreams
3. They have **tremendous stamina** and never give up
4. They **continually learn and challenge assumptions** and/or preconceived notions
5. They are **great in team building**
6. They make the **most out of failed efforts**
7. They **do not lose balance** with success



Agenda Session 5

Practicing Innovation: Being in the flow as an active player *(not as passive observer)*

1. Keeping your senses active
2. Commercializing new ideas
3. Beginning your journey as an innovator

Keeping our 5 sessions in perspective

The five sessions – key takeaways

Putting Innovation in the context of the Modern Civilization

World in transition: We are entering a *Golden Era of Innovation* – Balancing the **3Es** will be essential; many new technologies like AI will offer powerful tools which India – at *BOP upwards*

Demystifying Innovation: Unlocking the **Power within you**

Life cycle of innovation begins with “*Desire*” and we talked about the alchemy of innovation particularly emphasizing how to unlock the *power within to define one’s meaning in life*.

Nurturing Genuine Problem-Solving Skills: **The 3 Vectors?**

Asking the right questions to solve problems in your environment harmonizing – *Conscience, Courage and Communication* to develop innovator’s “*Charisma*”

Becoming an Innovator: **Opportunities abound?**

Embracing problems as opportunities in a disciplined fashion – “*Innovation Gameboard*” - tools and techniques to uncover possibilities

Practicing Innovation: Being in the flow as an **active player** (not as passive observer)

Beginning the Journey; New model of making **+ ve** connections with “*problems= opportunities*”; Launch of “*Innovation club/incubator*” with The Boston Pledge

Journey ahead

3 Fundamental Instincts:

1. **Spirit of Inquiry**
2. **Reasoning & Rigor**
3. **Resiliency**



Twelve Key Points *from Partha Ghosh* *Becoming an Innovator*

Spirit of Enquiry

- ❑ Inquisitiveness with regard to a wide range of Global and local Issues
- ❑ Empathy and genuine interest in alternative beliefs and values
- ❑ Trust in the process of reasoned inquiry
- ❑ Concern to become and remain well-informed

R2: Reasoning & Rigor

- ❑ Alertness to opportunities to use analytical thinking
- ❑ Self confidence in ones ability to reason
- ❑ Know thy self first in facing your own biases and prejudices
- ❑ Fair-mindedness and objectivity in appraising reasoning

Resiliency in all levels of being

- ❑ Open mindedness regarding divergent world views
- ❑ Flexibility in considering alternatives and options
- ❑ Willingness to reconsider and revise views where honest reviews may suggest change is warranted
- ❑ Thoughtfulness and application of **100% IQ** in advancing, suspending, making or altering judgments

Let the light in your mind enlighten everyone around you



Next Steps

To begin the “**innovation renaissance**” in Bengal and across India

Different from importing ready made solutions from overseas!!!

Uncover possibilities

Test/Simulate imagination

1

Commit to a establish society/club to stimulate innovation (The Boston Pledge/Adamas)

2

Convert the 5 lectures into a book in English and different Indian languages (PG)

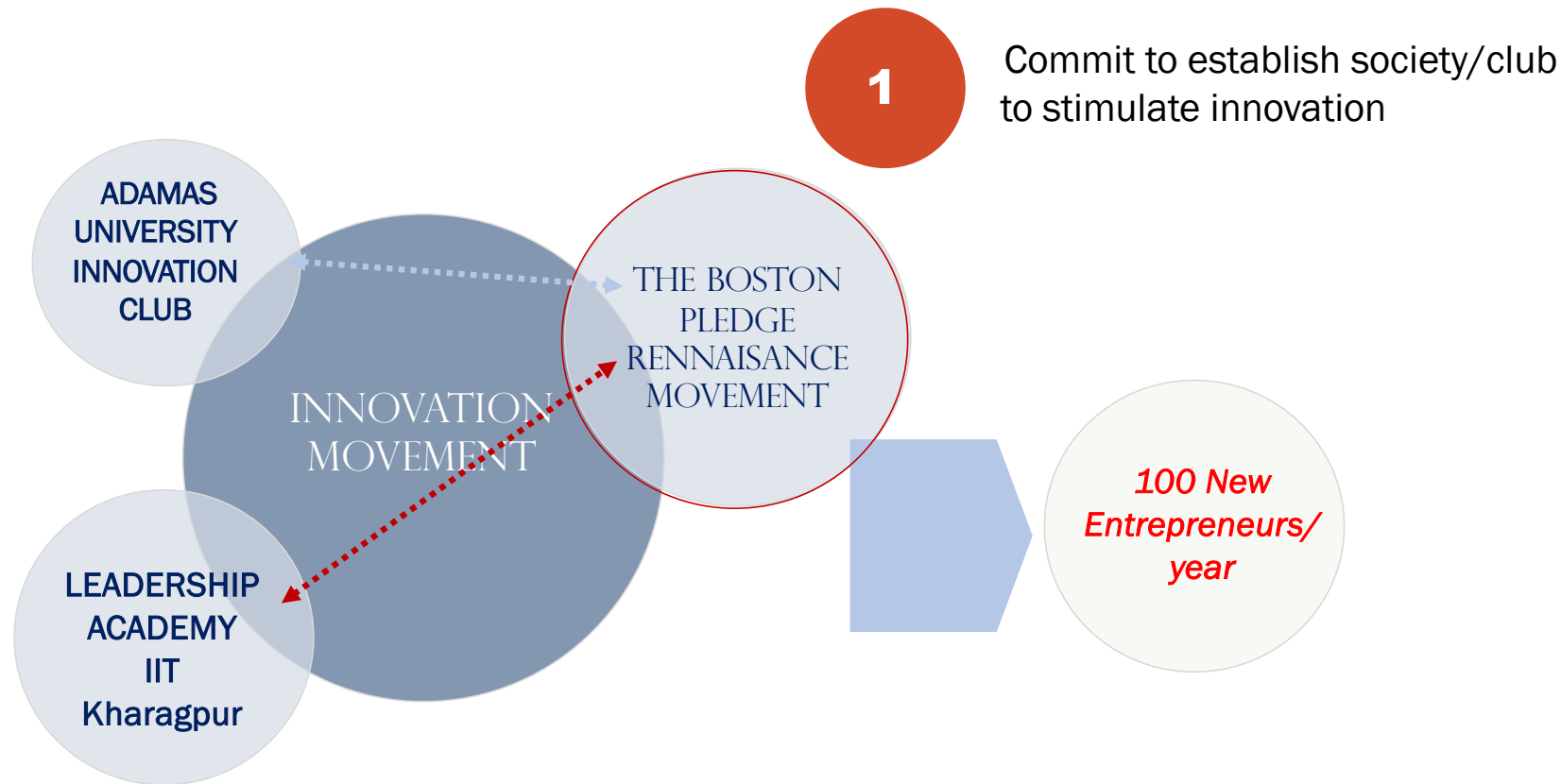
3

A book on inventions and innovation in India (PG)

4

Regularize such lectures across all major colleges within IIT KGP and Adamas Ecosystem

Three distinct building blocks...toward breakthrough innovation strategies to cultivate innovators for breakthrough possibilities (*indigenous but global*)



As a Global Citizen a few fundamentals should be in your mind



Four thoughts to consider as a Global Citizen:

1. Strong sense of inner conscience
2. Egos as low as possible
3. Trust in power of integrity & grit
4. Reverence for your environment